

SAFETY BULLETIN

SB01-001 TIRE CAGES

September 2000 (Initial)

On page ten of the September 2000 issue of PS Magazine an article appeared which advised all units to unbolt all tire cages and not to secure any more to the floor. Paragraph 2-3f of TM 9-2610-200-14 Care, Maintenance, Repair and Inspection of Pneumatic Tires and Inner Tubes says that while it is not mandatory to anchor a cage to the floor, it is the preferred method. This is wrong, **DO NOT SECURE TIRE CAGES TO THE FLOOR.** Fastening the cage to the floor prevents the flexing of the steel plate bottom. If the plate cannot flex, explosive forces are concentrated on the cage bars. Failure of one or more bars during an explosion may allow the release of wheel rim components, or pieces of the cage itself.

Testing also shows that the cage and wheel assembly will not move much in an explosion. But keep the cage at least three feet from any wall. That helps keep the cage from moving if a high volume of air bounces off the wall and back toward the cage when the rim separates.

If you have tire cages which are currently anchored please remove the anchors and move them at least three feet from any wall. All new tire cages will not be secured to the floor. Remove the anchors and discard. If anchors cannot be removed at unit or activity level Directorate of Public Works will remove once a service order is called in.

Point of contact for this bulletin is Mr. Paul H. Inman, DES, Safety Division. Mr. Inman may be reached at 785-239-3272.

SAFETY BULLETIN

SAFETY BULLETIN

SAFETY BULLETIN